

03050105-120

(Kings Creek)

General Description

Watershed 03050105-120 is located in Cherokee and York Counties and consists primarily of *Kings Creek* and its tributaries. The watershed occupies 33,146 acres of the Piedmont region of South Carolina. The predominant soil types consist of an association of the Goldston-Badin series. The erodibility of the soil (K) averages 0.15, and the slope of the terrain averages 13%, with a range of 2-45%.

Land use/land cover in the watershed includes: 79.1% forested land, 15.3% agricultural land, 3.5% scrub/shrub land, 1.2% urban land, 0.5% barren land, and 0.4% water.

Kings Creek originates in North Carolina and flows across the state line to accept drainage from Modlin Branch, Dixon Branch, Ponders Branch, Stonehouse Branch, Dellingham Branch, Mill Creek, and Jumping Branch. Further downstream, Garner Branch flows into Kings Creek followed by Manning Branch, Bells Branch, Beech Branch, Wolf Creek, and Nells Branch before draining into the Broad River.

There are several recreational ponds and lakes in this watershed (totaling 27.0 acres) and 51.1 stream miles, all classified FW. Kings Mountain National Military Park and Kings Mountain State Park are additional natural resources in the watershed.

Water Quality

<u>Station #</u>	<u>Type</u>	<u>Class</u>	<u>Description</u>
B-333	W/BIO	FW	KINGS CREEK AT S-11-209, 3 MI W OF SMYRNA

Kings Creek (B-333) - Although two copper excursions occurred, aquatic life uses are fully supported based on macroinvertebrate community data. Recreational uses are partially supported due to fecal coliform bacteria excursions.

NPDES Program

Active NPDES Facilities

<i>RECEIVING STREAM</i>	<i>NPDES#</i>
<i>FACILITY NAME</i>	<i>TYPE</i>
<i>PERMITTED FLOW @ PIPE (MGD)</i>	<i>LIMITATION</i>
<i>COMMENT</i>	
MILL CREEK TRIBUTARY	SCG730068
VULCAN MATERIALS CO./BLACKSBURG	MINOR INDUSTRIAL
PIPE #: 001, 002 FLOW: M/R	EFFLUENT

Nonpoint Source Management Program

Land Disposal Activities

Landfill Facilities

<i>LANDFILL NAME</i>	<i>PERMIT #</i>
<i>FACILITY TYPE</i>	<i>STATUS</i>
BLACKSBURG DUMP/ANTIOCH	-----
DOMESTIC	CLOSED

Mining Activities

<i>MINING COMPANY</i>	<i>PERMIT #</i>
<i>MINE NAME</i>	<i>MINERAL</i>
BOREN BRICK	0115-21
SERICITE PIT	SERICITE
VULCAN CONSTRUCTION MATERIALS	0354-21
BLACKSBURG QUARRY	LIMESTONE
TAYLOR CLAY PRODUCTS CO.	0221-21
ROBERTS MINE	SHALE
TAYLOR CLAY PRODUCTS CO.	0199-21
GROVER MINE	MANGANESE SCHIST
INDUSTRIAL MINERALS, INC.	0162-21
KINGS CREEK MINE	SERICITE

Growth Potential

There is an overall low potential for growth in this watershed, which contains a portion of the Town of Smyrna, due to the absence of public utilities. Duke Power is planning to build a natural gas-fired power plant, Mill Creek Station, near the top of the watershed, which is expected to bring some growth to the area. Duke Power will buy water from the nearby Town of Blacksburg. The facility should be open by summer 2003.